

## **Systems and Methods for Collaboratively Viewing and Editing Seismic Data**

### **ABSTRACT OF THE DISCLOSURE**

In one embodiment, a computer-implemented seismic viewing/editing collaboration method  
5 includes performing real-time collaborative cursor tracking, copaging, picking, and image  
manipulation in a distributed-display-processing, peer-to-peer architecture. A parameterized,  
minimal set of information required to update a display is transferred directly between  
different clients. A group state containing events generated by different clients is enforced to  
be synchronized on the different clients.